

FIELD CHANGE REQUEST (FCR) FORM

Project Name: Arkema Project Area – PDI Phase 1

Project No.: CF167

Client: LSS/Retia USA

Request No.: FCR-05

To: Madi Novak, EPA

Date: July 21, 2021

Field Change Request Title: Riverbank Soil Sample Intervals and Repeat Boring Attempts

Description:

Section 4.3.1 (Hand Auger Boreholes), of the Arkema Project Area Pre-Design Investigation (PDI) Work Plan specifies that if refusal occurs before 4 ft below ground surface (bgs), up to two additional attempts will be made within a 10-ft radius of the station coordinates. It further notes that if all three boring have refusal before 4 ft bgs, soil from the deepest boring will be processed. The soil from each sample interval needs to be processed and placed into sealed laboratory containers as soon as possible because the samples will be analyzed for chlorobenzene, a volatile organic compound. Waiting to process and containerize the samples until up to three borings are advanced will allow chlorobenzene in the soil samples collected from the borings where refusal was encountered to volatilize.

Recommended Change:

Samples will be processed and containerized as soon as possible after each interval is collected to preserve any VOCs that may be present. If refusal occurs on the first boring, an additional boring will be advanced within 5-10 ft of the initial boring. Sample collection and logging will begin at the next deepest interval on the additional boring that was not previously completed within the abandoned boring. For example, if the first boring is advanced until refusal at 1.5 ft bgs, the 0-1 ft sample will be processed. The additional boring will be advanced, and the soil will be logged and sampled starting at the 1-2 ft interval. GPS coordinates will be collected at each boring location where at least one sample is collected. The coordinates used to represent the boring in the PDI report will be determined in consultation with EPA and may include the centroid of the borings.

As the location of the repeated attempts are within 5-10 ft of the initial boring and are all believed to be representative of that general area, samples collected in this manner are considered suitable and representative of conditions in the vicinity of the repeated attempts.

Eron Dodak

Field Operations Lead (or designee)



Signature

July 21, 2021

Date

Approval:

Eron Dodak

Project Manager



Signature

July 21, 2021

Date

Madi Novak

EPA Remedial Project Manager

Signature

Date

Distribution:

LSS Project Coordinator

Integral Project Manager

Field Operations Lead

QA Officer

Project File

Other: